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Appendix 3, Table. Characteristics of included papers

Authors and Year	**Study design**	**Aims of the study**	**Population (n, characteristics**	**Country**
McIntyre, Cleland and Ramklass (2021) [49]	Qualitative, Semi-structured interviews	To explore facilitators and barriers to accessible wheelchair services	11(8 occupational therapists and 3 physiotherapists)	South Africa
Dorjbal et al. (2020) [48]	Qualitative, Semi-structured interviews	To identify environmental barriers and their influence on daily life	16(SCI patients)	Mongolia
Jindal et al. (2018) [46]	Qualitative, Semi-structured interviews	To investigate parents' perceptions of rehabilitation and their information needs for their child with cerebral palsy (CP)	18 (parents of children with CP)	India and Canada
Bhidayasiri et al. (2022) [50]	Review article	To present clinical viewpoints on the unfulfilled needs of wearable technology, such as exoskeletons and orthoses	N/A	N/A
Layton (2012) [38]	Mixed method	To identify barriers and facilitators to optimal mobility from the perspective of AT users	100 (AT users. Neurological conditions)	Australia, Survey, Open-ended responses
Mairami et al. (2017) [44]	Qualitative, case study, Semi-	1. To illustrate how AT influences stroke recovery and how the	1(Stroke patient)	Malaysia

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	structured interview	environment might be altered to facilitate recovery 2. To examine the issues of AT affordability and accessibility		
Dwyer and Mulligan (2015) [40]	Literature review	To determine the obstacles and enablers for community reintegration as experienced by individuals with SCI	A total of 373 participants in the 7 included studies	New Zealand
Seymour, Geiger and Scheffler (2019) [47]	Qualitative, Focus group	To identify the issues associated with wheelchair provision and the elements that contribute to or mitigate these challenges	21 (Community rehabilitation workers)	Uganda
Gonçalves Junior, Knabben and Luz (2017) [43]	Qualitative, Semi-structured interviews	To demonstrate how people with lower limb amputation function and express their limitations	6 (patients with amputation)	Brazil
Arthanat, Elsaesser and Bauer (2017) [42]	Quantitative, Survey	To explore how AT providers perceive their education and training, the use of evidence and guidelines, financing policies.	318 (AT providers)	US
Gowran et al. (2021) [23]	Position Paper	To examine the global challenges related to wheelchair accessibility	N/A	N/A
Steel and Layton (2016) [41]	Feature Article	An exploration of the complexities of AT provision in Australia	N/A	Australia
Widehammar et al. (2020) [45]	Qualitative, Semi-structured interviews	An exploration of how users' experiences of power mobility products	14(AT users)	Sweden

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		are influenced by environmental factors		
Hammel et al. (2013) [39]	Qualitative, multiple case study, Focus groups	Multiple stakeholders' perspectives, issues, and priorities related to accessing, using, and evaluating MATs	65(45 AT users, 10 caregivers, 10 service providers)	USA and Canada
Serres-Lafontaine et al. (2023) [51]	Qualitative, photovoice method	To study how peer training affects social involvement	10 Wheelchair users (SCI patients)	Tanzania
Oskar et al. (2011) [22]	A postal questionnaire	To explore and assess the experiences of active wheelchair prescribers under the regulations and provisions set by local Swedish governments	278 prescribers	Sweden
Smith et al. (2016) [52]	Review article	To investigate the determinants influencing participation among wheelchair users	35 studies were included	N/A
Nabizadeh et al., (2023) [16]	Qualitative, Semi-structured interviews	To explore barriers and facilitators to prosthetic services for lower limb amputees	29 individuals with lower limb amputation	Iran